

1641

#18  
W

TECH CENTER 1600/2900

DEC 16 2002

RECEIVED

1600

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/615,872C

DATE: 12/10/2002

TIME: 08:24:35

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\12102002\I615872C.raw

3 <110> APPLICANT: Arepally, Gowthami  
 4 Kisiel, Walter  
 5 Kamei, Keiko  
 6 Kamei, Shintaro  
 8 <120> TITLE OF INVENTION: Compositions and Methods Useful for the Diagnosis and Treatment of

9 Heparin Induced Thrombocytopenia/Thrombosis

11 <130> FILE REFERENCE: 10312-2U1

13 <140> CURRENT APPLICATION NUMBER: 09/615,872C

14 <141> CURRENT FILING DATE: 2000-07-13

16 <150> PRIOR APPLICATION NUMBER: US 60/143,536

17 <151> PRIOR FILING DATE: 1999-07-13

19 <160> NUMBER OF SEQ ID NOS: 14

21 <170> SOFTWARE: PatentIn version 3.1

23 <210> SEQ ID NO: 1

24 <211> LENGTH: 120

25 <212> TYPE: PRT

26 <213> ORGANISM: Mus musculus

28 <400> SEQUENCE: 1

30 Glu Val Gln Leu Gln Ser Gly Ala Glu Leu Val Lys Pro Gly Ala

31 1 5 10 15

34 Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr

35 20 25 30

38 Phe Ile Tyr Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile

39 35 40 45

42 Gly Glu Ile Asn Pro Arg Asn Gly Asp Thr Asp Phe Asn Glu Lys Phe

43 50 55 60

46 Glu Ser Arg Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr

47 65 70 75 80

50 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Ile Tyr Tyr Cys

51 85 90 95

54 Thr Arg Ser Pro Tyr Gly Asn Asn Tyr Gly Phe Thr Tyr Trp Gly Gln

55 100 105 110

58 Gly Thr Leu Val Thr Val Ser Ala

59 115 120

62 <210> SEQ ID NO: 2

63 <211> LENGTH: 110

64 <212> TYPE: PRT

65 <213> ORGANISM: Mus musculus

67 <400> SEQUENCE: 2

69 Ala Glu Leu Asp Ile Gln Met Ile Gln Ser Gln Lys Phe Met Ser Thr

70 1 5 10 15

73 Ser Val Gly Asp Arg Val Thr Val Thr Cys Lys Ala Ser Gln Asn Val

74 20 25 30

ENTERED

## RAW SEQUENCE LISTING

DATE: 12/10/2002

PATENT APPLICATION: US/09/615,872C

TIME: 08:24:35

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\12102002\I615872C.raw

```

77 Gly Thr Asn Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Asn
78      35      40      45
81 Ala Leu Ile Tyr Ser Ala Ser Tyr Arg Tyr Ser Gly Val Pro Asp Arg
82      50      55      60
85 Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Thr Asn
86 65      70      75      80
89 Val Gln Ser Glu Asp Leu Ala Asp Tyr Phe Cys Gln Gln Tyr Asn Ser
90      85      90      95
93 Tyr Pro Leu Thr Phe Gly Thr Gly Thr Lys Leu Glu Ile Lys
94      100      105      110
97 <210> SEQ ID NO: 3
98 <211> LENGTH: 360
99 <212> TYPE: DNA
100 <213> ORGANISM: Mus musculus
102 <400> SEQUENCE: 3
103 gaggttcagc tgcagcagtc tggggctgaa ctggtgaagc ctggggcttc agtgaagttg      60
105 tcctgtaagg cttctggcta caccttcacc aattacttta tatactgggt gaagcagagg      120
107 cctggacaag gccttgagtg gattggagag attaatccta gaaatggtga tactgacttc      180
109 aatgagaagt tcgagagcag ggccacactg actgtagaca aatcctccag cacggcatac      240
111 atgcaactca gcagcctgac atctgaggac tctgcgatct attactgtac aagatccccc      300
113 tacggttaata actacgggtt tacttactgg ggccaaggga ctctggtcac tgtctctgca      360
116 <210> SEQ ID NO: 4
117 <211> LENGTH: 330
118 <212> TYPE: DNA
119 <213> ORGANISM: Mus musculus
121 <400> SEQUENCE: 4
122 gccgagctcg atattcagat gattcagtct caaaaattca tgtccacatc agtaggagac      60
124 agggtcaccg tcacctgcaa ggccagctcag aatgtgggta ctaatgtagc ctggtatcaa      120
126 cagaaaccag ggcaatctcc taatgcactg atttactcgg catcctaccg gtacagtgga      180
128 gtccctgatc gcttcacagg cagtggatct gggacagatt tcactctcac catcaccaat      240
130 gtgcagtctg aagacttggc agactatttc tgtcagcaat ataacagcta tcctctcaca      300
132 ttcggtactg gcaccaaact ggaaatcaaa      330
135 <210> SEQ ID NO: 5
136 <211> LENGTH: 23
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: primer
143 <400> SEQUENCE: 5
144 gaggtgaagc tgggtggagwc wgg      23
147 <210> SEQ ID NO: 6
148 <211> LENGTH: 17
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: primer
155 <400> SEQUENCE: 6
156 ggggccagtg gatagac      17
159 <210> SEQ ID NO: 7

```

## RAW SEQUENCE LISTING

DATE: 12/10/2002

PATENT APPLICATION: US/09/615,872C

TIME: 08:24:35

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\12102002\I615872C.raw

```

160 <211> LENGTH: 32
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: primer
167 <400> SEQUENCE: 7
168 ccagttccga gctccagatg acccagactc ca 32
171 <210> SEQ ID NO: 8
172 <211> LENGTH: 17
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: primer
179 <400> SEQUENCE: 8
180 gttggtgcag catcagc 17
183 <210> SEQ ID NO: 9
184 <211> LENGTH: 22
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: primer
191 <400> SEQUENCE: 9
192 atgggatgga gctatatcat cc 22
195 <210> SEQ ID NO: 10
196 <211> LENGTH: 22
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: primer
203 <400> SEQUENCE: 10
204 atgatgagtc ctgcccagtt cc 22
207 <210> SEQ ID NO: 11
208 <211> LENGTH: 105
209 <212> TYPE: PRT
210 <213> ORGANISM: Mus musculus
212 <400> SEQUENCE: 11
214 Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn
215 1 5 10 15
218 Tyr Phe Ile Tyr Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp
219 20 25 30
222 Ile Gly Glu Ile Asn Pro Arg Asn Gly Asp Thr Asp Phe Asn Glu Lys
223 35 40 45
226 Phe Glu Ser Arg Ala Thr Leu Thr Val Asp Lys Ser Ser Thr Ala
227 50 55 60
230 Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Ile Tyr Tyr
231 65 70 75 80
234 Cys Thr Arg Ser Pro Tyr Gly Asn Asn Tyr Gly Phe Thr Tyr Trp Gly
235 85 90 95
238 Gln Gly Thr Leu Val Thr Val Ser Ser

```

## RAW SEQUENCE LISTING

DATE: 12/10/2002

PATENT APPLICATION: US/09/615,872C

TIME: 08:24:35

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\12102002\I615872C.raw

```

239          100          105
242 <210> SEQ ID NO: 12
243 <211> LENGTH: 112
244 <212> TYPE: PRT
245 <213> ORGANISM: Mus musculus
247 <400> SEQUENCE: 12
249 Gly Gly Gly Leu Val Lys Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
250 1          5          10          15
253 Ala Ser Gly Phe Ala Phe Ser Arg Tyr Asp Met Ser Trp Val Arg Gln
254          20          25          30
257 Thr Pro Glu Lys Arg Leu Glu Trp Val Ala Thr Ile Thr Ser Gly Asp
258          35          40          45
261 Asn Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly Arg Phe Thr Ile Ser
262          50          55          60
265 Arg Asp Asn Ala Arg Asn Thr Leu Tyr Leu Gln Met Ser Arg Leu Arg
266 65          70          75          80
269 Ser Glu Asp Thr Ala Leu Tyr Tyr Cys Thr Arg Gln Gly Leu Leu Tyr
270          85          90          95
273 Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Asn Val Ser Ser
274          100          105          110
277 <210> SEQ ID NO: 13
278 <211> LENGTH: 104
279 <212> TYPE: PRT
280 <213> ORGANISM: Mus musculus
282 <400> SEQUENCE: 13
284 Leu Thr Leu Ser Val Thr Ile Gly Gln Pro Ala Ser Ile Ser Cys Lys
285 1          5          10          15
288 Ser Ser Gln Thr Leu Leu Asp Ser Asp Gly Lys Thr Tyr Leu Ile Trp
289          20          25          30
292 Leu Leu Gln Arg Pro Gly Gln Ser Pro Lys Arg Leu Ile Tyr Leu Val
293          35          40          45
296 Ser Lys Leu Asp Ser Gly Val Pro Asp Arg Phe Thr Gly Ser Gly Ser
297          50          55          60
300 Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Ala Leu
301 65          70          75          80
304 Gly Leu Tyr Tyr Cys Trp Gln Gly Thr His Phe Pro Arg Thr Phe Gly
305          85          90          95
308 Gly Gly Thr Lys Val Glu Ile Lys
309          100
312 <210> SEQ ID NO: 14
313 <211> LENGTH: 99
314 <212> TYPE: PRT
315 <213> ORGANISM: Mus musculus
317 <400> SEQUENCE: 14
319 Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Ser Cys Ser
320 1          5          10          15
323 Ala Ser Gln Gly Ile Asn Asn Tyr Leu Ser Trp Tyr Arg Gln Lys Pro
324          20          25          30
327 Asp Gly Thr Val Lys Leu Leu Ile Tyr Tyr Thr Ser Ser Leu His Ser

```

## RAW SEQUENCE LISTING

DATE: 12/10/2002

PATENT APPLICATION: US/09/615,872C

TIME: 08:24:35

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\12102002\I615872C.raw

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 328 |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |     |     |     |     |  |
| 331 | Gly | Val | Pro | Ser | Arg | Phe | Ser | Gly | Ser | Gly | Ser | Gly | Thr | Asp | Tyr | Ser |  |
| 332 |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |     |     |     |     |  |
| 335 | Leu | Thr | Ile | Ser | Asn | Leu | Glu | Pro | Glu | Asp | Ile | Ala | Thr | Tyr | Phe | Cys |  |
| 336 | 65  |     |     |     |     | 70  |     |     |     |     | 75  |     |     |     |     | 80  |  |
| 339 | Gln | Gln | Phe | Ser | Lys | Leu | Pro | Tyr | Thr | Phe | Gly | Gly | Gly | Thr | Lys | Leu |  |
| 340 |     |     |     |     | 85  |     |     |     |     | 90  |     |     |     |     | 95  |     |  |
| 343 | Glu | Ile | Lys |     |     |     |     |     |     |     |     |     |     |     |     |     |  |

VERIFICATION SUMMARY

DATE: 12/10/2002

PATENT APPLICATION: US/09/615,872C

TIME: 08:24:36

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\12102002\I615872C.raw